

A. used. Off-center weight motor 24 provides a magnitude of tip motion (approximately 0.02 inches in the x and y directions) for brushing purposes, in one example.

In the Claims

Please cancel claims 20, 22 without prejudice to or disclaimer of the subject matter disclosed therein.

Please enter the following amendments to claims 1-19 and 21.

Sub B17

1. A power toothbrush comprising:
a handle;
a brush head including bristles;
a brush shaft connected to said brush head;
a motor shaft connected with said handle and received in said brush shaft;
a vibratory means for causing said bristles to vibrate; and
a vibration isolation means for reducing vibrations from said vibratory means to said handle.

2. The power toothbrush of claim 1, wherein said vibration isolation means is positioned between said vibratory means and said handle.

3. The power toothbrush of claim 1, wherein said vibration isolation means includes a vibration dampening material positioned between said brush head and said handle to at least partially absorb vibrations caused by said vibratory means.

4. The power toothbrush of claim 1, wherein said vibratory means includes an eccentric motor.

5. The power toothbrush of claim 1, wherein said vibratory means is positioned in said brush head.

6. The power toothbrush of claim 1, wherein said vibration isolation means is positioned between said brush head and said handle.

7. The power toothbrush of claim 1, wherein said brush shaft and said brush head are integrally formed.

8. The power toothbrush of claim 1, wherein said vibratory means is positioned in said brush shaft.

9. The power toothbrush of claim 1, wherein said vibration isolation means is positioned between said brush shaft and said handle.

- Sub B1*
10. A power toothbrush comprising:
a handle;
a brush shaft;
a brush head including bristles, said brush head adapted to be connected with said brush shaft;
a motor shaft connected with said handle and received in said brush shaft;
a vibratory means for causing said brush head and said bristles to vibrate; and
a vibration isolation means positioned between said vibratory means and said handle for reducing the transfer of vibrations from said vibratory means to said handle.
11. The power toothbrush of claim 10, wherein said vibratory means includes an eccentric motor.
12. The power toothbrush of claim 10, wherein said vibratory means is positioned in said brush head.
- A 2
13. The power toothbrush of claim 10, wherein said brush head and said brush shaft are integrally formed and are adapted to be connected with said handle.
14. The power toothbrush of claim 10, wherein said vibratory means is positioned in said brush shaft.
15. The power toothbrush of claim 10, wherein said vibration isolation means includes a vibration dampening material.
16. A power toothbrush comprising:
a handle;
a brush shaft;
a brush head with bristles; and
an eccentric motor for causing the bristles to vibrate, wherein the eccentric motor is positioned entirely in said brush shaft distal from said handle and oriented parallel to a longitudinal axis of the power toothbrush; and
a vibration isolation means for reducing the transfer of vibrations from the brush shaft to the handle.
17. The power toothbrush of claim 16, wherein said vibration isolation means is positioned between the brush head and the handle.